

#### **GENERAL NOTES:**

- 1. BOUNDARY SURVEY INFORMATION SHOWN HEREON IS TAKEN FROM A PLAN ENTITLED "BOUNDARY, TOPOGRAPHIC & WETLAND LOCATION SURVEY", DATED AUGUST 2007, PREPARED BY RICHARD W, CARLSON JR. OF MASER CONSULTING, P.L.S. LIC. NO. 50595 OF NEW YORK.
- 2. THE TOPOGRAPHIC INFORMATION SHOWN HEREON WAS COMPILED FROM FIELD SURVEY DATA OBTAINED BY MASER CONSULTING P.A. ON AUGUST 16, 2007. THE HORIZONTAL DATUM IS RELATIVE TO THE NEW YORK STATE PLANE COORDINATE SYSTEM EAST ZONE AND ADJUSTED TO NAD 1983. THE VERTICAL DATUM IS RELATIVE TO N.A.V.D. 1988.
- 3. THE LIMITS OF FRESHWATER WETLANDS SHOWN HEREON WERE FIELD DELINEATED BY MASER CONSULTING P.A. ON JULY 24, 2007.
- 4. NO 100 YEAR FLOOD PLAINS ARE KNOWN TO EXIST ON THE SITE PER THE FLOOD INSURANCE RATE MAP FOR THE MUNICIPALITY OF TOWN OF NEW WINDSOR, ORANGE COUNTY, NEW YORK, DATED DECEMBER 15, 1978 PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY.
- 5. MATERIALS, WORKMANSHIP, AND CONSTRUCTION FOR THE SITE IMPROVEMENTS SHOWN HEREON SHALL BE IN ACCORDANCE WITH:
- A. NEW YORK STATE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS", LATEST REVISION: AS SUPPLEMENTED.
- B. CURRENT PREVAILING MUNICIPAL, COUNTY, AND/OR STATE AGENCY SPECIFICATIONS, STANDARDS, CONDITIONS, AND REQUIREMENTS. C. CURRENT PREVAILING UTILITY COMPANY/AUTHORITY SPECIFICATIONS,
- STANDARDS, AND REQUIREMENTS. D. CURRENT MANUFACTURER SPECIFICATIONS, STANDARDS, AND REQUIREMENTS.
- 6. WATER SERVICE TO BE PROVIDED FROM THE EXISTING WATER MAIN LINE ON SILVER STREAM ROAD, OWNED AND OPERATED BY THE TOWN OF NEW WINDSOR WATER DEPARTMENT. PROPOSED WATER MAIN EXTENSIONS AND FIRE HYDRANT LOCATIONS ARE SUBJECT TO MUNICIPAL REVIEW AND APPROVAL, AND AMERICAN WATERWORKS ASSOCIATION STANDARDS. PIPE MATERIALS SHALL BE CEMENT LINED DUCTILE IRON PIPE, CLASS 52, WITH ASPHALTIC EPOXY TYPE COATING. WATER SERVICES SHALL BE INSTALLED TO PROVIDE A MINIMUM 4 FEET OF COVER FROM THE TOP OF PIPE TO THE PROPOSED GRADE.
- 7. SANITARY SEWER SERVICE SHALL BE PROVIDED BY GRAVITY CONNECTION TO EXISTING SEWER MAIN ON SILVERSTREAM ROAD, OWNED AN OPERATED BY THE TOWN OF NEW WINDSOR SEWER DEPARTMENT. THE PROPOSED SEWER SERVICE CONNECTION LOCATION IS SUBJECT TO MUNICIPAL REVIEW AND APPROVAL, ACCORDING TO MUNICIPAL AND ORANGE COUNTY HEALTH DEPARTMENT REGULATIONS. PIPE MATERIALS SHALL BE PVC SDR-35, EXCEPT AS NOTED OTHERWISE ON THE PLANS. EXCEPT WHERE SHALLOWER DEPTHS ARE PERMITTED BY THE MUNICIPALITY OR UTILITY AUTHORITY, SEWER LINES, INCLUDING FORCE MAINS AND LATERALS, SHALL BE INSTALLED TO PROVIDE A MINIMUM 4 FEET OF COVER FROM THE TOP OF PIPE TO PROPOSED GRADE.
- 8. SANITARY SEWERS SHALL BE SEPERATED FROM WATER MAINS BY AT LEAST 10 FEET HORIZONTALLY. IF SUCH SEPARATION IS NOT POSSIBLE, THE PIPES SHALL BE IN SEPARATE TRENCHES WITH THE SANITARY SEWER AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN. WHERE APPROPRIATE SEPERATION IS NOT POSSIBLE, THE SEWER SHALL BE ENCASED IN CONCRETE. OR CONSTRUCTED OF DUCTILE-IRON-PIPE USING MECHANICAL OR SLIP ON JOINTS, FOR A DISTANCE OF 10 FEET ON EITHER SIDE OF THE CROSSING. IN ADDITION, ONE FULL LENGTH OF SEWER PIPE SHOULD BE LOCATED SO BOTH JOINTS ARE AS FAR AWAY AS POSSIBLE FROM THE WATER LINE.
- 9. GAS, ELECTRIC, CABLE TELEVISION, AND ELECTRICAL SERVICE PLANS, IF REQUIRED, SHALL BE PREPARED BY THE RESPECTIVE UTILITY COMPANIES THAT SERVICE THE AREA PRIOR TO SITE CONSTRUCTION AND SHALL BE
- 10. TELEPHONE, ELECTRIC, AND GAS LINES WILL BE INSTALLED UNDERGROUND. CROSSINGS OF PROPOSED PAVEMENTS WILL BE INSTALED PRIOR TO THE CONSTRUCTION OF PAVEMENT BASE COURSE.
- 11. UTILITY RELOCATIONS SHOWN HEREON, IF ANY, ARE FOR INFORMATIONAL PURPOSES ONLY AND MAY NOT REPRESENT ALL REQUIRED UTILITY RELOCATIONS. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING AND/OR COORDINATING ALL REQUIRED UTILITY RELOCATIONS IN COOPERATION WITH THE RESPECTIVE UTILITY COMPANY/AUTHORITIES.
- 12. STORM SEWERS SHALL BE ADS N-12 HIGH DENSITY POLYEHTYLENE PIPE (HDPE) OR APPROVED EQUAL AS NOTED. PROPER PIPE COVERAGE SHALL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION. PIPE LENGTHS SHOWN HEREON ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
- 13. REFUSE AND RECYCLABLES SHALL BE STORED WITHIN OUTSIDE SCREENED TRASH ENCLOSURES AS NOTED ON THE PLANS.

14. TRAFFIC SIGNAGE AND STRIPING SHALL CORRESPOND TO THE MANUAL ON

- UNIFORM TRAFFIC CONTROL DEVICES.
- 15. THIS IS A SITE DEVELOPMENT PLAN AND UNLESS SPECIFICALLY NOTED ELSEWHERE HERON, IS NOT A SURVEY.
- 16. FINAL BUILDING PLANS SHALL BE FURNISHED ON THE INDIVIDUAL PLOT PLANS/ARCHITECTURAL PLANS AT THE TIME OF APPLICATION FOR A BUILDING PERMIT. ALL STRUCTURES SHALL CONFORM TO THE APPROVED BULK ZONING REQUIREMENTS.
- 17. DO NOT SCALE DRAWINGS AS THEY PERTAIN TO ADJACENT AND SURROUNDING PHYSICAL CONDITIONS, BUILDINGS, STRUCTURES, ETC. THEY ARE SCHEMATIC ONLY, EXCEPT WHERE DIMENSIONS ARE SHOWN THERETO.
- 18. THIS SET OF PLANS HAS BEEN PREPARED FOR THE PURPOSES OF MUNICIPAL AND AGENCY REVIEW AND APPROVAL. THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL APPROVALS REQUIRED HAVE BEEN OBTAINED, ALL CONDITIONS OF APPPROVAL HAVE BEEN SATISFIED AND THE DRAWINGS HAVE BEEN STAMPED "ISSUED FOR CONSTRUCTION". THIS SHALL INCLUDE APPROVAL OF ALL CATALOG CUTS, SHOP DRAWINGS AND/OR DESIGN CALCULATIONS AS REQUIRED BY THE PROJECT OWNER AND/OR MUNICIPALITY.
- 19. EXISTING UTILITY INFORMATION SHOWN HEREON HAS BEEN COLLECTED FROM VARIOUS SOURCES AND IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO HIS SATISFACTION PRIOR TO EXCAVATION. WHERE EXISTING UTILITIES ARE TO BE CROSSED BY PROPOSED CONSTRUCTIONS, TEST PITS SHALL BE DUG BY THE CONTRACTOR PRIOR TO CONSTRUCTION TO ASCERTAIN EXISTING INVERTS, MATERIALS, AND SIZES. TEST PIT INFORMATION SHALL BE GIVEN TO THE ENGINEER PRIOR TO CONSTRUCTION TO PERMIT ADJUSTMENTS AS REQUIRED TO AVOID CONFLICTS. THE CONTRACTOR SHALL NOTIFY THE UNDER SIGNED PROFESSIONAL IMMEDIATELY IF ANY FIELD CONDITIONS ENCOUNTERED DIFFER MATERIALLY FROM THOSE REPRESENTED HEREON. SUCH CONDITIONS COULD RENDER THE DESIGNS HEREON INAPPROPRIATE OR INEFFECTIVE.
- 20. THE CONTRACTOR IS RESPONSIBLE FOR PROJECT SAFETY, INCLUDING PROVISION OF ALL APPROPRIATE SAFETY DEVICES AND TRAINING REQUIRED.
- 21. THESE GENERAL NOTES SHALL APPLY TO ALL SHEETS IN THIS SET.

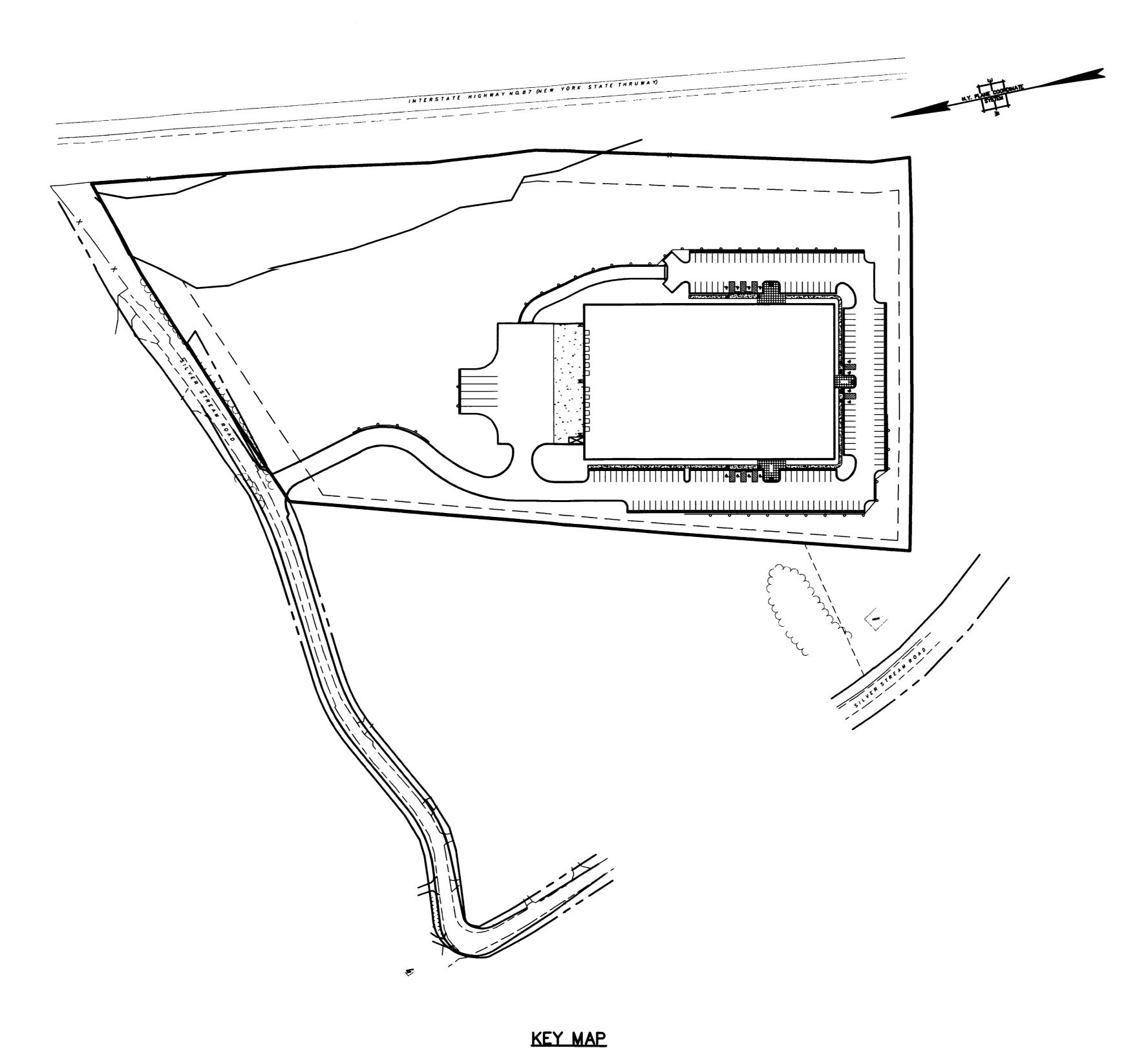
#### LATEST DESCRIPTION REVISION 1 COVER SHEET 2 DIMENSION PLAN 3 GRADING, DRAINAGE & UTILITY PLAN 2/25/08 2/25/08 4 EROSION CONTROL PLAN 2/25/08 5 EROSION CONTROL DETAILS 2/25/08 6 SILVER STREAM ROAD GRADING & DRAINAGE PLAN 2/25/08 7 CONSTRUCTION DETAILS 2/25/08 8 UTILITY DETAILS

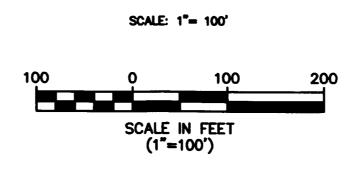
# PRELIMINARY SITE PLANS FOR

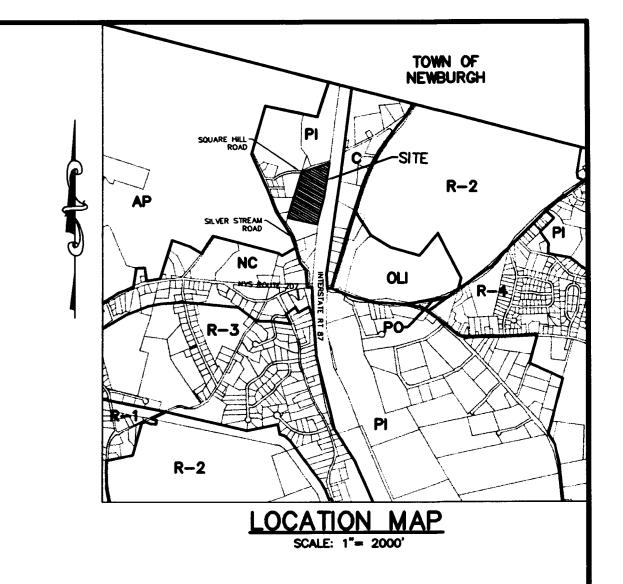
SILVER STREAM PROPERTIES, LLC

# SILVER STREAM ROAD CORPORATE PARK TAX LOT 3-1-35

TOWN OF NEW WINDSOR ORANGE COUNTY, NEW YORK







# **LEGEND**

PROPERTY LINE

--- EDGE OF PAVEMENT

<del>- o -</del>	SIGN
$\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$	TREELINE
	GUIDE RAIL
~~~~~~	STONE WALL
<del></del> 75=	CONTOUR .
×260.8	GROUND SPOT ELEVA
Ħ	FIRE HYDRANT
	WATER MAIN
€,	UTILITY POLE
OHA:	OVERHEAD WIRES
<b>O</b> -	GUY
Di	DRAINAGE INLET
•	DRAINAGE MANHOLE
<b>\$</b>	LIGHTPOLE

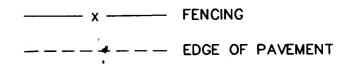
## **PROPOSED**

WETLANDS LINE

\_\_\_\_ \_ \_ \_ RIGHT OF WAY

---- EASEMENTS

	EASEMENTS
	DRAINAGE INLET
•	MANHOLE
Δ	FLARED END SECTION
_	HEADWALL
<del></del> 75 <del></del>	CONTOUR
75.32 ×	SPOT ELEVATION
	STORM PIPE
<del>, , , , , , , , , , , , , , , , , , , </del>	GUIDE RAIL
	RIP-RAP
	LOT LINE
+	ROADWAY CENTERLINE AND STATIONING
	SETBACK LINE
	RETAINING WALL







UNAUTHORIZED ALTERATION TO A MAP BEARING

UNAUTHORIZED ALTERATION TO A MAP BEARING A UCENSED PROFESSIONAL ENGINEER'S SEAL IS A UOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW. THE CERTIFICATION IS NOT AN EXPRESS OR IMPLIED WARRANTY OR GUARANTEE, IT IS PURELY A STATEMENT OF PROFESSIONAL OPINION BASED ON KNOWLEDGE, INFORMATION AND BELIEF, BASED ON EXISTING FIELD EVIDENCE AND DOCUMENTARY EVIDENCE AVAILABLE. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.

a824

REVISIONS PER PLANNING BOARD COMMENTS

REV. DATE

NDREW B. FETHERSTON

NEW YORK STATE PROFESSIONAL

ENGINEER LIC. NO. 073555

NEWBURGH OFFICE Suite 101 1607 Route 300 Newburgh, N.Y. 12550 Phone (845) 564-4495 Fax (845) 564-0278 E-mail - solutions@maserconsulting.com

SILVER STREAM ROAD CORPORATE PARK **COVER SHEET** SILVER STREAM PROPERTIES, LLC SECTION 3, BLOCK 1, LOT 35

07000398A NB000692

Clinton, N.

Mt. Arlington, N.

West Nyack, N.

Bethiehem, F

2/25/08

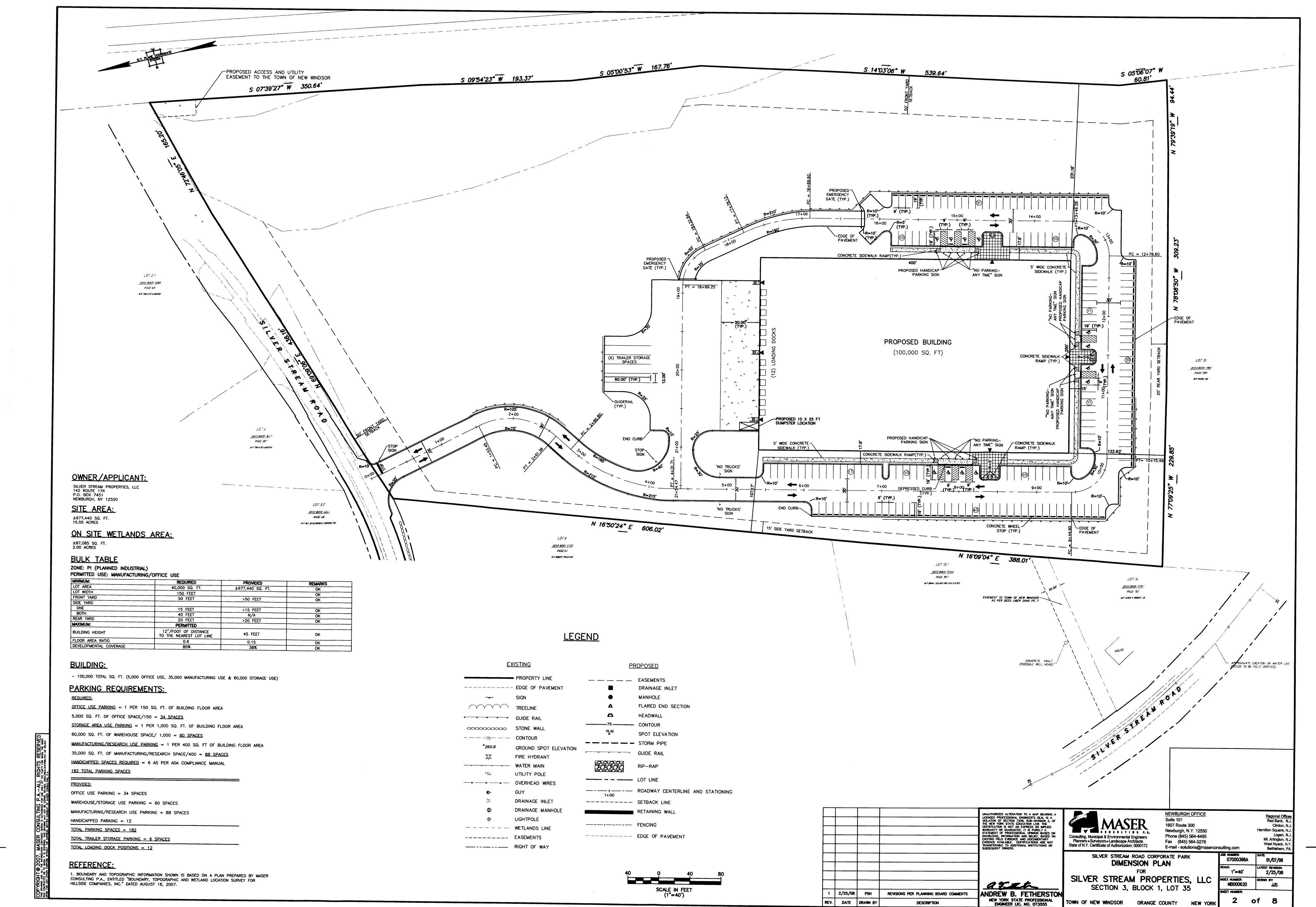
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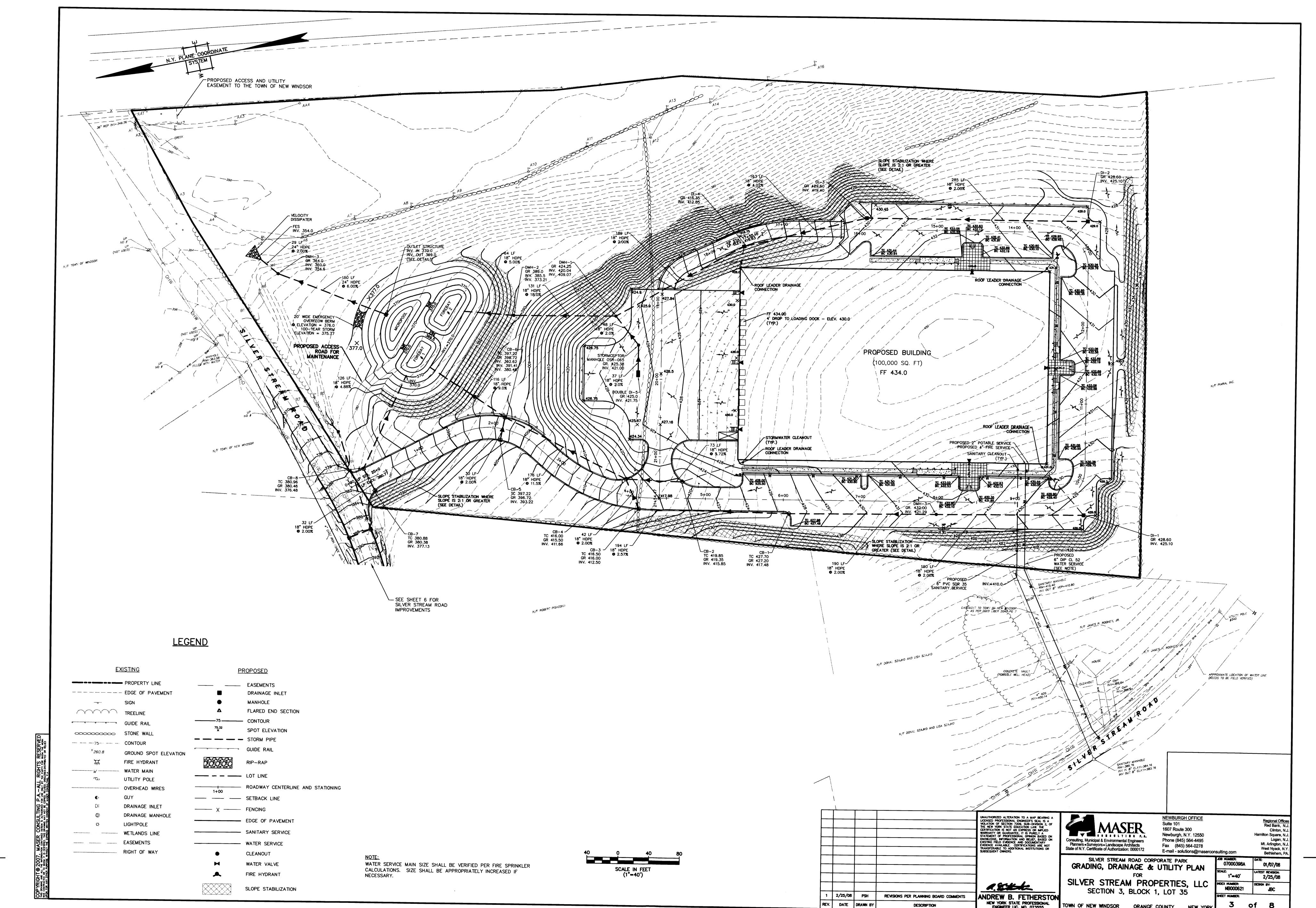
Logan, N.

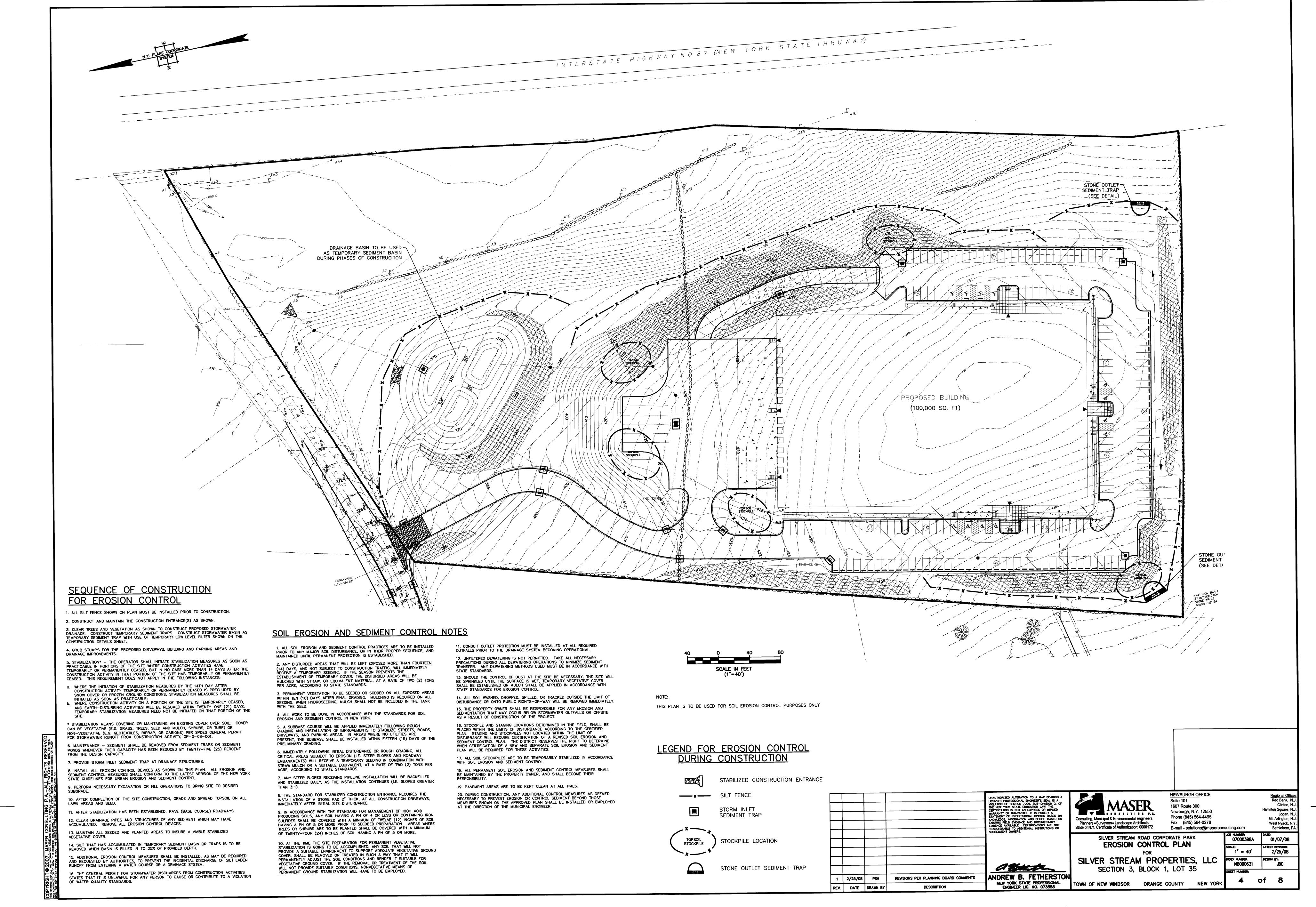
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TOWN OF NEW WINDSOR ORANGE COUNTY







- A. INSTALL EROSION CONTROL MEASURES AND FACILITIES SUCH AS SILT FENCE, DIVERSIONS, SEDIMENT BASINS, CHANNEL STABILIZATION, ETC.
- B. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, MULCH ANCHORING AND MAINTENANCE. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH THE STANDARD FOR LAND GRADING.
- 2. SEEDBED PREPARATION
- A. APPLY A UNIFORM 6 INCHES (UNSETTLED) OF TOPSOIL IN ACCORDANCE WITH THE STANDARD FOR TOPSOILING OVER ALL DISTURBED AREAS. SOILS WITH A PH OF 4.0 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM DEPTH OF 12 INCHES OF SOIL HAVING PH OF 5.0 OR MORE IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOIL.
- B. TOPSOIL SHOULD BE HANDLED ONLY WHEN DRY ENOUGH TO WORK WITHOUT DAMAGING SOIL STRUCTURE.
- C. APPLY GROUND LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS SUCH AS OFFERED BY CORNELL CO-OPERATIVE EXTENSION. SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL CORNELL COOPERATIVE EXTENSION OFFICES. FERTILIZER SHALL BE APPLIED AT THE RATE OF 610 POUNDS PER ACRE OR 14 POUNDS PER 1,000 SQUARE FEET OF 10-20-20 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE. APPLY LIMESTONE IN ACCORDANCE WITH THE TABLE BELOW AND THE RESULTS OF SOIL TESTING. CALCIUM CARBONATE IS THE EQUIVALENT AND STANDARD FOR MEASURING THE ABILITY OF LIMING MATERIALS TO NEUTRALIZE SOIL ACIDITY AND SUPPLY CALCIUM AND MAGNESIUM TO GRASSES AND LEGUMES. THE TABLE BELOW IS A GENERAL GUIDELINE FOR LIMESTONE APPLICATION RATES.

LIMESTONE APPLICATION RATE BY SOIL TEXTUR	E	
SOIL TEXTURE	TONS/ACRE	LBS/1,000 SQ. FT.
CLAY, CLAY LOAM, AND HIGH ORGANIC SOIL	3	135
SANDY LOAM, LOAM, SILT LOAM	2	90
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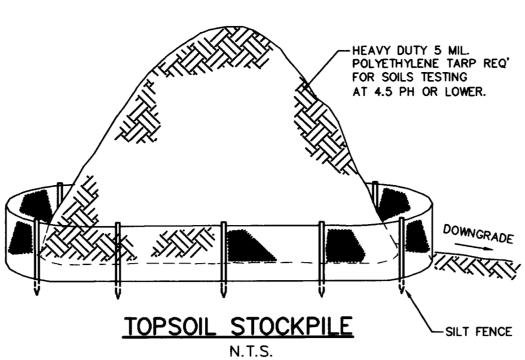
- D. IMMEDIATELY PRIOR TO SEEDING AND TOPSOIL APPLICATION, THE SURFACE SHOULD BE SCARIFIED TO A MINIMUM OF 12" WHERE THERE HAS BEEN SOIL COMPACTION. THIS PRACTICE IS PERMISSIBLE ONLY WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.)
- E. WORK LIME AND FERTILIZER INTO THE SOIL TO A DEPTH OF APPROXIMATELY 4 INCHES. THE FINAL HARROWING OR DISC OPERATION SHOULD BE ON THE GENERAL CONTOUR.
- CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM SEEDBED IS PREPARED. F. REMOVE FROM THE SURFACE ALL STONES 2 INCHES OR LARGER IN ANY DIMENSION AND OTHER DEBRIS SUCH AS WIRE, TREE ROOTS, PIECES OF CONCRETE, CLODS, LUMPS OR OTHER UNSUITABLE MATERIAL.
- A. SELECT AN APPROVED MIXTURE FROM THOSE LISTED BELOW OR AN APPROVED EQUAL AND APPLY AS NOTED BELOW. OPTIMUM SEEDING DATES ARE BETWEEN APRIL 1 AND

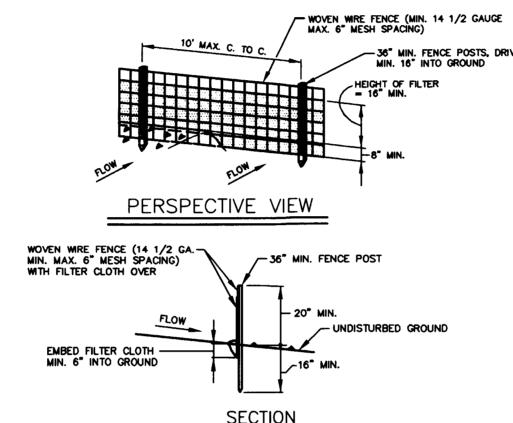
MAY 31 AND A	UGUST 16 AND OCTOBER 15.	
LOCATION	ACCEPTABLE SEED MIXES	
LAWN	MIX #15 - HARD FESCUE	120 LBS/ACRE
	PERENNIAL RYE GRASS	30 LBS/ACRE
	KENTUCKY BLUE GRASS (BLEND)	40 LBS/ACRE
	MIX #16 - TALL FESCUE	160 LBS/ACRE
	PERENNIAL RYE GRASS (BLEND)	20 LBS/ACRE
	KENTUCKY BLUE GRASS (BLEND)	20 LBS/ACRE
SLOPES	MIX #6 - TALL FESCUE	20 LBS/ACRE
	CREEPING RED FESCUE	20 LBS/ACRE
	PERENNIAL RYE GRASS	5 LBS/ACRE
	BIRDSFOOT TREFOIL	10 LBS/ACRE

- B. CONVENTIONAL SEEDING IS PERFORMED BY APPLYING SEED UNIFORMLY BY HAND, CYCLONE (CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL OR CULTIPACKER SEEDER. EXCEPT FOR DRILLED HYDROSEEDED OR CULTIPACKED SEEDINGS, SEED SHALL BE INCORPORATED INTO THE SOIL WITHIN 24 HOURS OF SEEDBED PREPARATION TO A DEPTH OF 1/4 TO 1/2 INCH, BY RAKING OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COARSE TEXTURED
- C. HYDROSEEDING IS A BROADCAST SEEDING METHOD USUALLY INVOLVING A TRUCK OR TRAILER MOUNTED TANK, WITH AN AGITATION SYSTEM AND HYDRAULIC PUMP FOR MIXING SEED, WATER AND FERTILIZER AND SPRAYING THE MIX ONTO THE PREPARED SEEDBED. MULCH SHALL NOT BE INCLUDED IN THE TANK WITH SEED. SHORT FIBERED MULCH MAY BE APPLIED WITH A HYDROSEEDER FOLLOWING SEEDING. (ALSO SEE SECTION 4 MULCHING BELOW) HYDROSEEDING IS NOT A PREFERRED SEEDING METHOD BECAUSE SEED AND FERTILIZER ARE APPLIED TO THE SURFACE AND NOT INCORPORATED INTO THE SOIL. POOR SEED TO SOIL CONTACT OCCURS REDUCING SEED GERMINATION AND GROWTH. HYDROSEEDING MAY BE USED FOR AREAS TOO STEEP FOR CONVENTIONAL EQUIPMENT TO TRAVERSE OR TOO OBSTRUCTED WITH ROCKS,
- D. AFTER SEEDING, FIRMING THE SOIL WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT, RESTORE CAPILLARITY AND IMPROVE SEEDLING EMERGENCE. THIS IS THE PREFERRED METHOD. WHEN PERFORMED ON THE CONTOUR, SHEET EROSION WILL BE MINIMIZED AND WATER CONSERVATION ON SITE WILL BE MAXIMIZED.

### 4. MULCHING IS REQUIRED ON ALL SEEDING.

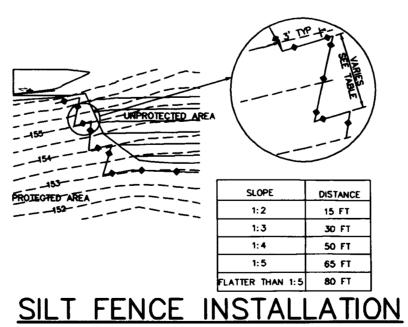
- A. <u>STRAW OR HAY</u> UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, OR SALT HAY TO BE APPLIED AT THE RATE OF 1-1/2 TO 2 TONS PER ACRE (70 TO 90 POUNDS PER 1,000 SQUARE FEET), EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER (TACKIFYING OR ADHESIVE AGENT), THE RATE OF APPLICATION IS 3 TONS PER ACRE. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MULCH. HAY MULCH IS NOT RECOMMENDED FOR ESTABLISHING FINE TURF OR LAWNS DUE TO THE PRESENCE OF WEED SEED. STRAW OR HAY MULCH MUST BE ANCHORED IMMEDIATELY AFTER PLACEMENT USING PEG AND TWINE, MULCH NETTING, MECHANICAL CRIMPER OR LIQUID MULCH BINDERS IN ACCORDANCE WITH THE
- B. WOOD-FIBER OR PAPER-FIBER MULCH SHALL BE MADE FROM WOOD, PLANT FIBERS OR PAPER CONTAINING NO GROWTH OR GERMINATION INHIBITING MATERIALS, USED AT THE RATE OF 1,500 POUNDS PER ACRE (OR AS RECOMMENDED BY THE PRODUCT MANUFACTURER) AND MAY BE APPLIED BY A HYDROSEEDER. THIS MULCH SHALL NOT BE MIXED IN THE TANK WITH SEED. USE IS LIMITED TO FLATTER SLOPES AND DURING OPTIMUM SEEDING PERIODS IN SPRING AND FALL.



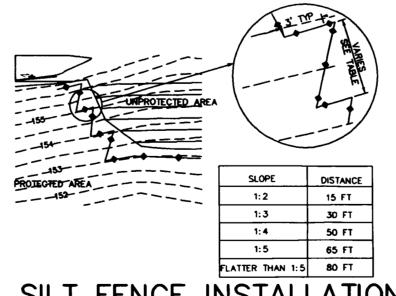


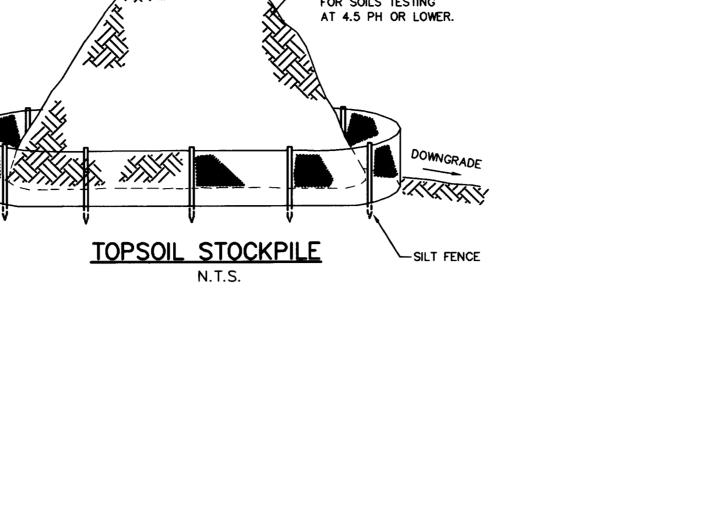
#### CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- 1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
  - FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUAL.
- 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED



(WHEN NOT PARALLEL TO CONTOURS)





EXCAVATE, IF NECESSARY FOR SEDIMENT STORAGE

EXTEND CORE INTO EARTH EMBANKMENT

LENGTH (FT.) = 20

SEE EROSION AND SEDIMENT CONTROL PLAN FOR LOCATIONS.

TO BE INSTALLED PRIOR TO GRADING OR FILLING IN THE DRAINAGE AREA THEY ARE TO PROTECT. TRAPS THAT ARE TO FUNCTION DURING BUILDING CONSTRUCTION MUST NOT BE LOCATED WITHIN 20 FEET OF A PROPOSED BUILDING FOUNDATION. WHILE TRAPS SHOULD BE SITED TO MAXIMIZE STORAGE BENEFIT, THEY SHOULD NOT BE LOCATED WETLAND OR WETLAND BUFFER AREAS, OR IN EXISTING WATERCOURSES.

INSTALLATION NOTES

. AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED, AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED AS WELL.

THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION AS WELL AS OVER SIZED STONES, ROCKS, ORGANIC MATERIAL AND OTHER QUESTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.

3. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.

4. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.

5. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION IS MINIMIZED.

8. THE STONE USED IN THE OUTLET SHALL BE SMALL RIPRAP 4"-8" ALONG WITH A 1"
THICKNESS OF 2" AGGREGATE PLACED ON THE UP GRADE SIDE ON THE SMALL RIPRAP OR
EMBEDDED FILTER CLOTH IN THE RIPRAP.

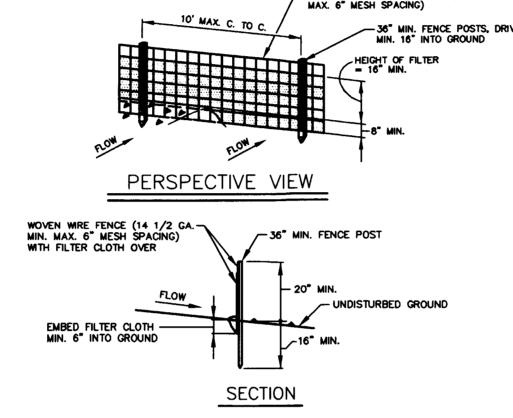
STONE OUTLET SEDIMENT TRAP

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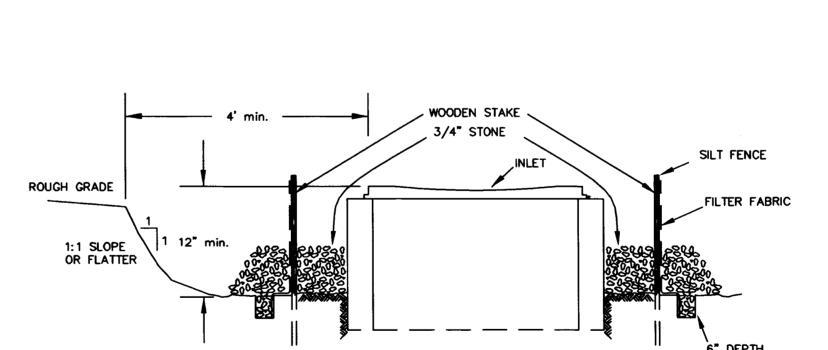
6. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

7. ALL CUT AND FILL SLOPES SHALL BE 1 : 2 OR FLATTER.

4 FT. TOPWIDTH



- 2. FILTER CLOTH TO BE FASTENED SECURELY
- POSTS: STEEL EITHER "T" OR "U" TYPE OR 2" HARDWOOD. FENCE: WOVEN WIRE 14 1/2 GA. 6" MAX. MESH OPENING.
- 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE
- PREFABRICATED GEOFAB, ENVIROFENCE, UNIT: OR APPROVED EQUAL. OVERLAPPED BY SIX INCHES AND FOLDED.
- WHEN "BULGES" DEVELOP IN THE SILT FENCE.
  - WIRE REINFORCED SILT FENCE



- COMPACTED EARTH

NOT TO EXCEED 5 FT.

### INSTALLATION NOTES

- 1. EXCAVATE A 6 INCH x 6 INCH TRENCH, OFFSET APPROXIMATELY 2 FEET FROM THE INLET 2. UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM)
- WALL OF THE TRENCH (NET SIDE AWAY FROM DIRECTION OF FLOW). 3. DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS APPROXIMATELY 2 INCHES FROM THE TRENCH BOTTOM.
- 4. LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH, BACKFILL THE TRENCH AND TAMP THE SOIL. STEEPER SLOPES REQUIRE AN INTERCEPT TRENCH.
- 5. JOIN SECTIONS AS SHOWN ABOVE. SUPPLEMENT WITH GRAVEL, PILED AGAINST THE FENCE. 6. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS
- WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. 7. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.

## STORM INLET SEDIMENT TRAP

UNAUTHORIZED ALTERATION TO A MAP BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW. THE CERTIFICATION IS NOT AN EXPRESS OR IMPLIED WARRANTY OR GUARANTEE, IT IS PURELY A STATEMENT OF PROFESSIONAL OPINION BASED ON KNOWLEDGE, INFORMATION AND BELIEF, BASED ON EXISTING FIELD EVIDENCE AND DOCUMENTARY EVIDENCE AVAILABLE. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS. azut ANDREW B. FETHERSTON 1 2/25/08 REVISIONS PER PLANNING BOARD COMMENTS NEW YORK STATE PROFESSIONAL ENGINEER LIC. NO. 073555 REV. DATE DRAWN BY DESCRIPTION

TO BELLTING P.A. Consulting, Municipal & Environmental Engineers
Planners = Surveyors = Landscape Architects
State of N.Y. Certificate of Authorization: 0000172

CLEAN 34" GRAVEL

4" PERFORATED~ FLEXIBLE PVC PIPE WRAPPED IN FILTER FABRIC

1. FLEXIBLE PIPE TO BE MORTARED TO LOW LEVEL ORIFICE IN EACH DETENTION BASIN DURING CONSTRUCTION.

3. 10' MIN LENGTH LOW LEVEL FILTER STAKED IN PLACE

TEMPORARY LOW LEVEL FILTER

PIPE TO BE REMOVED ONCE SITE IS STABILIZED.

2. FILTER FABRIC TO BE FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUAL.

AT INVERT OF LOW LEVEL OUTLET.

**NEWBURGH OFFICE** Suite 101 1607 Route 300 Newburgh, N.Y. 12550 Phone (845) 564-4495 Fax (845) 564-0278 E-mail - solutions@maserconsulting.com

SILVER STREAM ROAD CORPORATE PARK **EROSION CONTROL DETAILS** SILVER STREAM PROPERTIES, LLC SECTION 3, BLOCK 1, LOT 35

AS SHOWN 2/25/08 NB000659 of TOWN OF NEW WINDSOR ORANGE COUNTY

07000398A

Regional Office Red Bank, N.

Mt. Arlington, N.

West Nyack, N.Y

01/07/08

Bethlehem, PA

Hamilton Square, N.

Clinton, N.

Logan, N.

FILTER CLOTH--EXISTING GROUND 12'MIN. SEE PLAN 50' MINIMUM STANDARD SYMBOL EXISTING PAVEMENT :::::

PLAN VIEW

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.

2. LENGTH - NOT LESS THAN 50 FEET

3. THICKNESS - NOT LESS THAN (6) INCHES.

4. WIDTH - VARIES (SEE PLAN)

5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. 6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTING BERM WITH

7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO

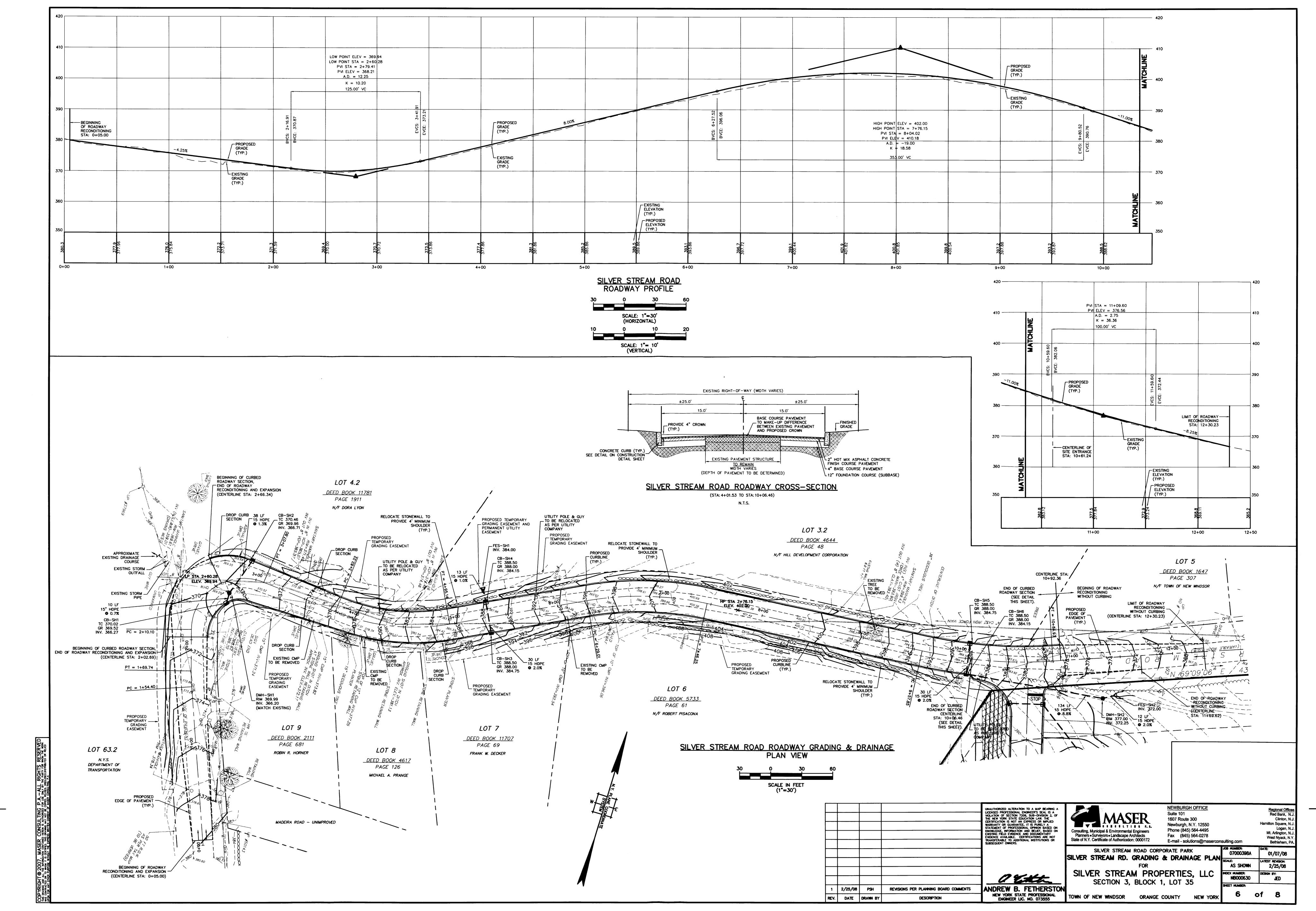
PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED 8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA

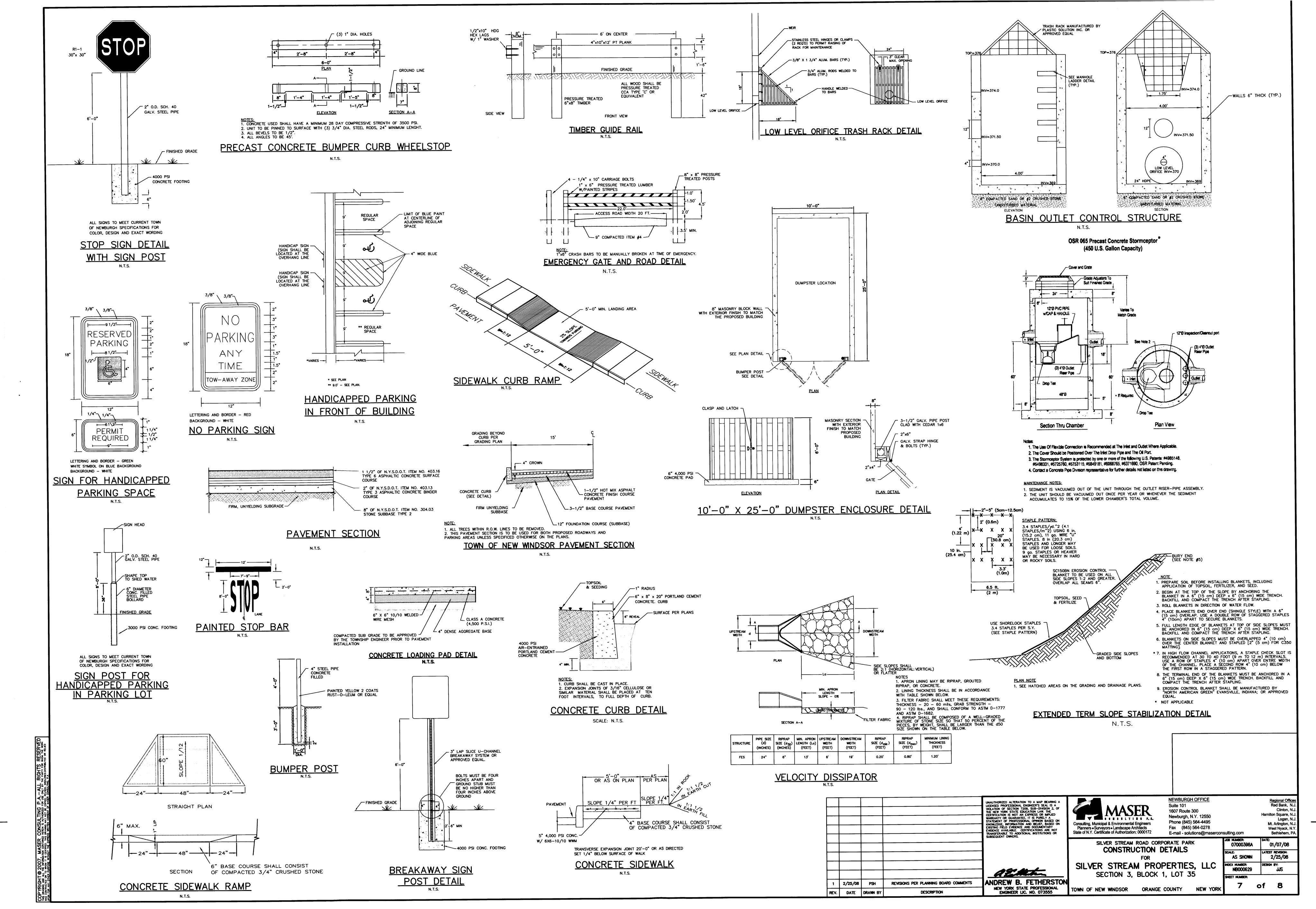
STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE. 9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED

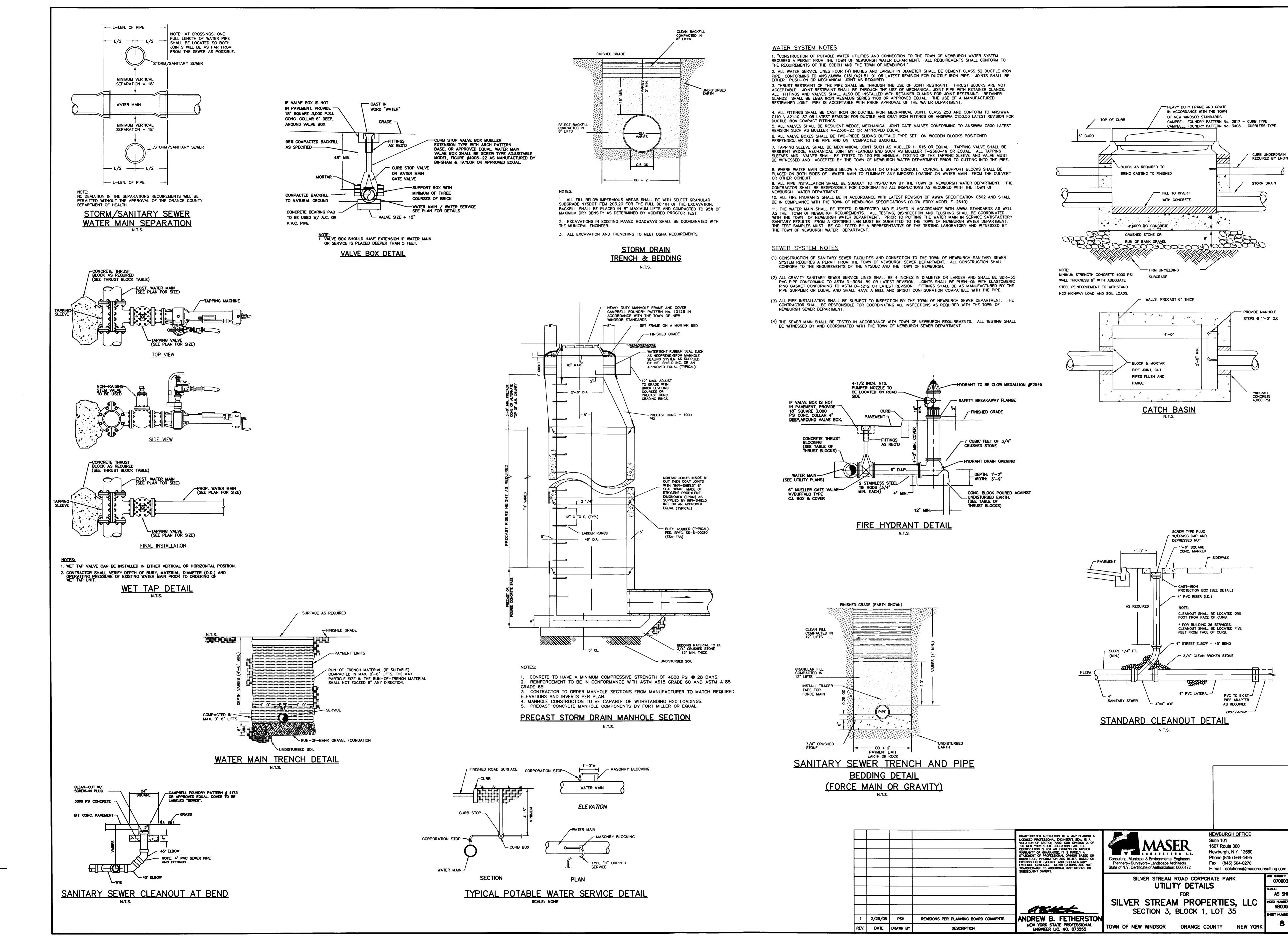
STABILIZED CONSTRUCTION ENTRANCE

AFTER EACH RAIN.

N.T.S.







REQUIRED BY ENGINEER.

STORM DRAIN

PROVIDE MANHOLE

STEPS • 1'-0" O.C.

PVC TO EXIST.-

PIPE ADAPTER

Regional Office Red Bank, N.

Mt. Arlington, N.

West Nyack, N.

2/25/08

NB000629

of

Bethlehem, PA

Clinton, N. Hamilton Square, N.

Logan, N.

AS REQUIRED